

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	8228	blow\$3 adj film	US-PGPUB; USPAT	OR	ON	2009/05/12 12:33
S2	8228	blow\$3 adj film	US-PGPUB; USPAT	OR	ON	2009/05/12 12:34
S3	103353	temperature adj control	US-PGPUB; USPAT	OR	ON	2009/05/12 12:34
S4	630	S2 and S3	US-PGPUB; USPAT	OR	ON	2009/05/12 12:34
S5	9755	blow\$3 near film	US-PGPUB; USPAT	OR	ON	2009/05/12 12:36
S6	530	S5 with multilayer	US-PGPUB; USPAT	OR	ON	2009/05/12 12:36
S7	59	S6 and S3	US-PGPUB; USPAT	OR	ON	2009/05/12 12:36
S8	30	("3321803" "3345690" "3497582" "3649143" "4102603" "4111630" "4120633" "4167383" "4182603" "4185954" "4305902" "4522775" "4563147" "4578025" "4649004" "4657497" "4798526" "4832589" "4867664" "4889477" "5069612" "5076776").PN. OR ("5779959").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 12:39
S9	505	blow\$3 adj film with multilayer	US-PGPUB; USPAT	OR	ON	2009/05/12 12:45
S10	698	blow\$3 adj film with (multilayer or multi adj layers or multiple near2 layers)	US-PGPUB; USPAT	OR	ON	2009/05/12 12:46
S11	131	S10 and control near3 temperature	US-PGPUB; USPAT	OR	ON	2009/05/12 12:46

S12	26	("2820249" "3321803" "3565985" "3756758" "4125585" "4167383" "4669965" "4715803" "4772195" "4798526" "4889477" "5035596" "5076776" "5292472" "5690972" "5723157" "5762971").PN. OR ("6000926").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 12:59
S13	26	("2820249" "3321803" "3565985" "3756758" "4125585" "4167383" "4669965" "4715803" "4772195" "4798526" "4889477" "5035596" "5076776" "5292472" "5690972" "5723157" "5762971").PN. OR ("6000926").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 13:05
S14	14	S10 and (temperature with dies)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 13:05
S15	0	slit with before with after with heat with tape	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 14:56
S16	2	slit with before with after with heat\$3 with tape	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 14:56
S17	31	slit with before with after and magnetic adj tape	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 14:57
S18	30	slit with before with after and magnetic adj tape	US-PGPUB; USPAT	OR	OFF	2009/05/12 14:57
S19	12	("2900868" "3022165" "3269278" "3293099" "3418185").PN. OR ("3622420").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:02
S20	243596	heat adj treat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:02
S21	7867	slit with tape	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:02
S22	150	magnetic adj tape	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:02

S23	0	S20 and S21 and S22	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:02
S24	132971	magnetic adj tape	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:03
S25	0	S20 and S21 and S23	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:03
S26	1824	S21 and S24	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:03
S27	3	("20040209121" "6818298" "6890646").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:04
S28	8374	divid\$3 with tape	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:04
S29	2883	S28 and S24	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:05
S30	62	S29 and S20	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:05
S31	7867	slit with tape	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:08
S32	1824	S31 and S24	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:08
S33	469	S32 and S20	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:09
S34	6	S33 and slit with (mandrels or cores or hubs)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 15:09
S35	2	"US 20070187856"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2009/07/22 09:56
S36	1	2005-386276.NRAN.	DERWENT	OR	ON	2009/07/22 09:56
S37	1	"2002079576"	JPO	OR	ON	2009/07/22 10:12
S38	43	("3321803" "3649143" "4111630" "4120633" "4182603" "4185954" "4657497" "4798526" "4832589" "4867664").PN. OR ("5069612").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 10:13

S39	13	("4472129" "4519863" "4522775" "4533308" "4578025" "4657497" "4798526" "4832589" "4889477" "5034179" "5069612" "5393216").PN. OR ("6305922").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 10:15
S40	30	("3059277" "3122790" "3186033" "3337914" "3349437" "3422493" "3471899" "3539666" "3599286" "3841816" "3902832" "3932103" "4003972" "4069282" "4201532" "4236884" "4938674" "5069612" "5538411" "6241502" "6533570" "6619942").PN. OR ("7195471").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 10:17
S41	783	(multilayer or multi adj layer) with (blow\$3 adj film or film adj blow\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 10:38
S42	838	(multilayer\$2 or multi adj layer) with (blow\$3 adj film or film adj blow \$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 10:38
S43	864	(multilayer\$2 or multi adj layer\$2) with (blow \$3 adj film or film adj blow\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 10:38
S45	322	S43 same die	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 10:38
S46	28	S43 and cartridge	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 11:00
S47	4	"2002079576"	JPO; DERWENT	OR	ON	2009/07/22 11:29
S48	1	2002-684672.NRAN.	DERWENT	OR	ON	2009/07/22 11:45
S49	2	"US 20070187856"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2009/07/22 12:56
S50	1	2005-386276.NRAN.	DERWENT	OR	ON	2009/07/22 12:56

S51	339364	control\$4 with temperature	JPO; DERWENT	OR	ON	2009/07/22 12:57
S52	0	S51 and (blow\$3 adj film or film adj blow\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 12:58
S53	538300	control\$4 with temperature	US-PGPUB; USPAT	OR	ON	2009/07/22 12:58
S54	3077	S53 and (blow\$3 adj film or film adj blow\$3)	US-PGPUB; USPAT	OR	ON	2009/07/22 12:58
S55	274	264/514.ccls.	US-PGPUB; USPAT	OR	ON	2009/07/22 12:59
S56	192	264/565.ccls.	US-PGPUB; USPAT	OR	ON	2009/07/22 13:08
S57	17	("3142092" "3337663" "3622657" "3655846" "3702224" "3819776" "3886243" "3976410" "4003973" "4203942").PN. OR ("5593703").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 13:10
S58	26	S54 and chamber with mandrel	US-PGPUB; USPAT	OR	ON	2009/07/22 13:24
S59	40	("2944287" "3008187" "3099860" "3187982" "3223761" "3281897" "3349437" "3469282" "3520966" "3548042").PN. OR ("3966861").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 13:25
S60	9872	(blow\$3 adj film or film adj blow\$3)	US-PGPUB; USPAT	OR	ON	2009/07/22 13:30
S61	2	S60 and nozzle with bubble with mandrel	US-PGPUB; USPAT	OR	ON	2009/07/22 13:30
S62	110	264/560.ccls.	US-PGPUB; USPAT	OR	ON	2009/07/22 13:31
S63	12	("3142092" "3412189" "3796781" "3819776" "3857917").PN. OR ("4062916").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 13:38
S64	0	S60 and plenum with mandrel	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 13:43
S65	10	S60 and (plenum or mandrel) with valve	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 13:43
S66	6399	heat\$3 with air with bubble	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 13:44
S67	133	S60 and S66	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 13:44

S68	106302	heat\$3 adj air	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 13:54
S69	13724	heat\$3 adj air with blow \$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 13:54
S70	95	S69 and S60	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 13:54
S71	6330	bubble adj air	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 13:57
S72	332	S71 with heat\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 13:58
S73	72628	heat\$3 with air with (chamber or plenum or manifold)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 14:09
S74	138	S73 and (blow\$3 adj film or film adj blow\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 14:09
S75	13966	control\$4 with temperature with air with (plenum or chamber or manifold)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 14:12
S76	35	S75 and S60	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 14:14
S77	1	"5951926".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 14:20
S78	151	264/560.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 14:38
S79	19322	(plenum or chamber or manifold) with die	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 14:40
S80	590	S79 and S60	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 14:40
S81	245	264/565.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 14:42
S82	10112	cool\$3 with bubble	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:02
S83	713	S82 and S60	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:02
S84	58	S60 and water with spray\$3 and water with flow\$3 and air with cool \$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:11
S85	1	"4115047".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:14
S86	9	(spray\$3 same water same blow\$3 same film).ab.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:14
S87	19899	(spray\$3 with water with cool\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:16
S88	189	S87 and S60	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:16

S89	4906	other with cooling	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:16
S90	11196	264/501-570.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:20
S91	435	S90 and S60	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:21
S92	21	S91 and spray\$3 with water	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:21
S93	7780	blown adj film	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:22
S94	12	S93 and spray\$3 with water with cool	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:22
S95	2	"09109274"	JPO; DERWENT	OR	ON	2009/07/22 15:24
S96	64	combination with cooling with mechanism	JPO; DERWENT	OR	ON	2009/07/22 15:38
S97	429	combination with cooling with mechanism	US-PGPUB; USPAT	OR	ON	2009/07/22 15:38
S98	3	S97 and S60	US-PGPUB; USPAT	OR	ON	2009/07/22 15:38
S99	951	cool\$3 with film with air with water	US-PGPUB; USPAT	OR	ON	2009/07/22 15:39
S100	124	S99 and S60	US-PGPUB; USPAT	OR	ON	2009/07/22 15:39
S101	24	("3908070" "4438180" "4448792" "4450028" "4457960").PN. OR ("4525414").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:48
S102	0	cool\$3 with combination with known with methodsa	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:48
S103	185	cool\$3 with combination with known with methods	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:48
S104	2	S103 and S60	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:48
S105	1513	S60 and known adj method	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:52
S106	51	S60 and known adj method with cool\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:52
S107	77	S60 and combination near3 cool\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:57
S108	103	S60 and combin\$5 near3 cool\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:57

S109	823	cool\$3 with combination with techniques	US-PGPUB; USPAT	OR	ON	2009/07/22 16:11
S110	11	S109 and S60	US-PGPUB; USPAT	OR	ON	2009/07/22 16:12
S111	1219	cool\$3 with air with water with combination	US-PGPUB; USPAT	OR	ON	2009/07/22 16:14
S112	1658	cool\$3 with air with water with combin\$5	US-PGPUB; USPAT	OR	ON	2009/07/22 16:14
S113	8	S112 and S60	US-PGPUB; USPAT	OR	ON	2009/07/22 16:14
S114	14	cool\$3 with "and" adj "or"	US-PGPUB; USPAT	OR	ON	2009/07/22 16:17
S115	76315	cool\$3 with "and/or"	US-PGPUB; USPAT	OR	ON	2009/07/22 16:18
S116	13881	cool\$3 with "and/or" with air	US-PGPUB; USPAT	OR	ON	2009/07/22 16:18
S117	114	S116 and S60	US-PGPUB; USPAT	OR	ON	2009/07/22 16:18
S118	0	S60 and annular adj ring same air with heat adj exchanger	US-PGPUB; USPAT	OR	ON	2009/07/22 16:53
S119	18	S60 and cool\$3 with air with heat adj exchanger	US-PGPUB; USPAT	OR	ON	2009/07/22 16:53
S120	2	cartridge adj heater with electric\$ adj coil	US-PGPUB; USPAT	OR	ON	2009/07/22 16:56
S121	1	"5575941".pn.	US-PGPUB; USPAT	OR	ON	2009/07/22 16:59
S122	117	cartridge adj heater with coil	US-PGPUB; USPAT	OR	ON	2009/07/22 17:00
S123	22	S60 and cartridge adj heater	US-PGPUB; USPAT	OR	ON	2009/07/22 17:02
S124	1	"5069612".pn.	US-PGPUB; USPAT	OR	ON	2009/07/22 17:07
S125	43	coil with heating adj cartridge	US-PGPUB; USPAT	OR	ON	2009/07/22 17:10
S126	0	cartridge adj heater with electric adj coil	US-PGPUB; USPAT	OR	ON	2009/07/23 11:12
S127	2	cartridge adj heater with electric\$2 adj coil	US-PGPUB; USPAT	OR	ON	2009/07/23 11:14
S128	3339	air with cool\$3 with die	US-PGPUB; USPAT	OR	ON	2009/07/23 11:38
S129	9881	(blow\$3 adj film or film adj blow\$3)	US-PGPUB; USPAT	OR	ON	2009/07/23 11:39
S130	0	air with cool\$3 with die3 and S129	US-PGPUB; USPAT	OR	ON	2009/07/23 11:39

S131	620	air with cool\$3 with die and S129	US-PGPUB; USPAT	OR	ON	2009/07/23 11:39
S132	33	S129 and control\$5 with temperature with die with air	US-PGPUB; USPAT	OR	ON	2009/07/23 11:45
S133	620	S129 and cool\$3 with die with air	US-PGPUB; USPAT	OR	ON	2009/07/23 11:51
S134	120	S129 and cool\$3 with die with air with annular	US-PGPUB; USPAT	OR	ON	2009/07/23 11:51
S135	5	S129 and control\$5 with temperature with die with fluid	US-PGPUB; USPAT	OR	ON	2009/07/23 11:56
S136	1	"4246212".pn.	US-PGPUB; USPAT	OR	ON	2009/07/23 11:57
S137	3	S129 and control\$5 with temperature with die with gas	US-PGPUB; USPAT	OR	ON	2009/07/23 11:59
S138	339	S129 and control\$5 with temperature with die	US-PGPUB; USPAT	OR	ON	2009/07/23 12:02
S139	203	S138 and (multilayer or multi adj layer)	US-PGPUB; USPAT	OR	ON	2009/07/23 12:02
S140	13	("4472129" "4519863" "4522775" "4533308" "4578025" "4657497" "4798526" "4832589" "4889477" "5034179" "5069612" "5393216").PN. OR ("6305922").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/23 12:56
S141	59	("2893056" "3039142" "3308508" "3345690" "3611495" "3635624" "3694292" "3802826" "3949042" "4044086" "4047868" "4056344" "4144011" "4280801" "4344907" "4365949" "4421465" "4436778" "4472129" "4484883" "4522775" "4578025").PN. OR ("4798526").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/23 13:55

S142	22	("3802826" "3809515" "3890083" "4522775" "4687430" "4798526" "5069612" "5076776" "5393216" "5460772" "5538411").PN. OR ("5690972").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/23 14:01
S143	7	("4167383" "4185954" "5069612" "5076776" "5690972" "5738881" "5984657").PN. OR ("6702563").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/23 14:03
S144	0	S129 and extru\$ with upward\$3 with downward\$3	US-PGPUB; USPAT	OR	ON	2009/07/23 14:41
S145	400	S129 and extru\$ with upward\$3	US-PGPUB; USPAT	OR	ON	2009/07/23 14:41
S146	0	S129 and extru\$ same upward\$3 with downward\$3	US-PGPUB; USPAT	OR	ON	2009/07/23 14:41
S147	0	S129 and pward\$3 with downward\$3	US-PGPUB; USPAT	OR	ON	2009/07/23 14:41
S148	0	S129 and upward\$3 with downward\$3	US-PGPUB; USPAT	OR	ON	2009/07/23 14:41
S149	258	S129 and upward\$3 with downward\$3	US-PGPUB; USPAT	OR	ON	2009/07/23 14:41
S150	370331	S129 and extru\$3 upward\$3 with downward\$3	US-PGPUB; USPAT	OR	ON	2009/07/23 14:41
S151	62	S129 and extru\$3 with upward\$3 with downward\$3	US-PGPUB; USPAT	OR	ON	2009/07/23 14:41
S152	5	("3809515" "5393216" "5690972" "5716650" "5738881").PN. OR ("7097441").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/23 14:46
S153	22	("3802826" "3809515" "3890083" "4522775" "4687430" "4798526" "5069612" "5076776" "5393216" "5460772" "5538411").PN. OR ("5690972").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/23 14:47

S154	35	("3026565" "3122788" "3146495" "3241503").PN. OR ("3809515").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/23 14:53
S155	900	feedback with air with cool\$3	US-PGPUB; USPAT	OR	ON	2009/07/24 11:45
S156	10308	(blow\$3 adj film or film adj blow\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 11:45
S157	5	S155 and S156	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 11:45
S158	1533	radiation adj thermometer	US-PGPUB; USPAT	OR	ON	2009/07/24 11:50
S159	40	S158 and heat adj exchanger	US-PGPUB; USPAT	OR	ON	2009/07/24 11:51
S160	22	S159 and air with cool \$3	US-PGPUB; USPAT	OR	ON	2009/07/24 11:51
S161	22	S160 and S158	US-PGPUB; USPAT	OR	ON	2009/07/24 11:51
S162	8329	blow\$3 adj film	US-PGPUB; USPAT	OR	ON	2009/07/24 11:51
S163	1	S160 and S162	US-PGPUB; USPAT	OR	ON	2009/07/24 11:51
S164	31	("3122784" "3122790" "3212127" "3261893" "3341388" "3775035" "3819775" "3835209" "4209475" "4339403" "4711747" "4781562" "4955802" "5110518" "5116211" "5281375" "5310329" "5322431").PN. OR ("5468134").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 11:54
S165	0	S164 and thermometer	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 11:54
S166	279	S162 and thermometer	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 11:55
S167	28	infrared with feedback with cool\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 11:55
S168	10308	(blow\$3 adj film or film adj blow\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 11:55
S169	0	S167 and S168	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 11:55
S170	1512	S168 and infrared	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 11:55

S171	139	S170 and heat adj exchanger	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 11:56
S172	0	S168 and feedback with thermometer	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 11:58
S173	33	S168 and feedback with temperature	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 11:58
S174	31	S168 and air with heat adj exchanger	US-PGPUB; USPAT	OR	ON	2009/07/24 12:06
S175	7	(radiation or infrared) adj thermometer with (flow or flow adj rate or flowrate) with air	US-PGPUB; USPAT	OR	ON	2009/07/24 12:11
S176	92	(radiation or infrared) adj thermometer same2 (flow or flow adj rate or flowrate) with air	US-PGPUB; USPAT	OR	ON	2009/07/24 12:11
S177	2	S176 and S168	US-PGPUB; USPAT	OR	ON	2009/07/24 12:11
S178	19	dewater\$3 with adjust \$3 with height	US-PGPUB; USPAT	OR	ON	2009/07/24 13:44
S179	783	dewater\$3 with adjust \$3	US-PGPUB; USPAT	OR	ON	2009/07/24 13:45
S180	10308	(blow\$3 adj film or film adj blow\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 13:45
S181	12	S179 and S180	US-PGPUB; USPAT	OR	ON	2009/07/24 13:45
S182	24552	dewater\$3	US-PGPUB; USPAT	OR	ON	2009/07/24 13:47
S183	164	S182 and S180	US-PGPUB; USPAT	OR	ON	2009/07/24 13:47
S184	14	S183 and "264".clas.	US-PGPUB; USPAT	OR	ON	2009/07/24 13:47
S185	17020	air adj knife	US-PGPUB; USPAT	OR	ON	2009/07/24 13:48
S186	1272	air adj knife with water	US-PGPUB; USPAT	OR	ON	2009/07/24 13:48
S187	81	S180 and S186	US-PGPUB; USPAT	OR	ON	2009/07/24 13:48
S188	352	dewater\$3 with film	US-PGPUB; USPAT	OR	ON	2009/07/24 13:53
S189	2	S188 and S180	US-PGPUB; USPAT	OR	ON	2009/07/24 13:53
S190	0	dewater\$3 with blow\$3 adj film	JPO, DERWENT	OR	ON	2009/07/24 13:54
S191	2	dewater\$3 same blow \$3 adj film	JPO, DERWENT	OR	ON	2009/07/24 13:54

S192	1194	S180 and remov\$3 near2 water	US-PGPUB; USPAT	OR	ON	2009/07/24 13:58
S193	197	S180 and remov\$3 near2 water same cool \$3	US-PGPUB; USPAT	OR	ON	2009/07/24 13:58
S194	31	dewater\$3 near4 bubble	US-PGPUB; USPAT	OR	ON	2009/07/24 14:04
S195	214	S180 and doctor adj blade	US-PGPUB; USPAT	OR	ON	2009/07/24 14:04
S196	1154	scrap\$3 near2 water	US-PGPUB; USPAT	OR	ON	2009/07/24 14:07
S197	5	S196 and S180	US-PGPUB; USPAT	OR	ON	2009/07/24 14:07
S198	24	("3908070" "4438180" "4448792" "4450028" "4457960").PN. OR ("4525414").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 14:09
S199	2419	push\$3 adj ring	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 14:16
S200	1	S199 and S180	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 14:16
S201	4542	adjust\$3 with cool\$3 with time	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 16:34
S202	10308	(blow\$3 adj film or film adj blow\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 16:35
S203	15	S201 and S202	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 16:35
S204	941	adjust\$3 with distance with cool\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 17:37
S205	6	S204 and S202	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 17:37
S206	595	adjust\$3 with cool\$3 with height	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 17:40
S207	21	S206 and S202	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 17:41
S208	43	("3092874" "3286302" "3307218" "3596321" "3749540" "3990824" "4101614").PN. OR ("4189288").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 17:42
S209	1025	die with split with two	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 10:32
S210	10308	(blow\$3 adj film or film adj blow\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 10:32
S211	11	S209 and S210	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 10:32

S212	59	("2893056" "3039142" "3308508" "3345690" "3611495" "3635624" "3694292" "3802826" "3949042" "4044086" "4047868" "4056344" "4144011" "4280801" "4344907" "4365949" "4421465" "4436778" "4472129" "4484883" "4522775" "4578025").PN. OR ("4798526").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 10:40
S213	30	("3321803" "3345690" "3497582" "3649143" "4102603" "4111630" "4120633" "4167383" "4182603" "4185954" "4305902" "4522775" "4563147" "4578025" "4649004" "4657497" "4798526" "4832589" "4867664" "4889477" "5069612" "5076776").PN. OR ("5779959").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 10:44
S214	437	die with halves with cool \$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 10:47
S215	8	S214 and S210	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 10:47
S216	59	("2893056" "3039142" "3308508" "3345690" "3611495" "3635624" "3694292" "3802826" "3949042" "4044086" "4047868" "4056344" "4144011" "4280801" "4344907" "4365949" "4421465" "4436778" "4472129" "4484883" "4522775" "4578025").PN. OR ("4798526").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 10:52

S217	63	("2820249" "3026565" "3122788" "3146495" "3241503" "3308508" "3321803" "3418687" "3649143" "3689192" "3802826" "3809515" "3890083" "3932102" "4042661" "4111630" "4167383" "4182603" "4185954" "4201532" "4203715" "4224272" "4268239" "4279851" "4403934" "4484883" "4492549" "4518343" "4522775" "4578025" "4626187" "4657497" "4687430" "4738611" "4798526" "4832589" "4846658" "4889477" "4931237" "5034179" "5045254" "5069612" "5076776" "5262109" "5393216").PN. OR ("5716650").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 10:55
S218	63	("2820249" "3026565" "3122788" "3146495" "3241503" "3308508" "3321803" "3418687" "3649143" "3689192" "3802826" "3809515" "3890083" "3932102" "4042661" "4111630" "4167383" "4182603" "4185954" "4201532" "4203715" "4224272" "4268239" "4279851" "4403934" "4484883" "4492549" "4518343" "4522775" "4578025" "4626187" "4657497" "4687430" "4738611" "4798526" "4832589"	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 11:07

		"4846658" "4889477" "4931237" "5034179" "5045254" "5069612" "5076776" "5262109" "5393216").PN. OR ("5716650").URPN.				
S219	424	air with die with halves	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 11:08
S220	10	S219 and S210	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 11:08
S221	1977	(mitsubishi and heavy and industries).as.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 11:10
S222	1	S221 and S210	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 11:10
S223	1	"4798526".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 11:24
S224	292	cool\$3 with air with die with (channel or passage)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 11:28
S225	42	S224 and S210	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 11:28
S226	13	("2626427" "3307219" "3520966" "3649143" "3694292" "4111630" "4525131").PN. OR ("4605365").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 11:36
S227	70328	(air or fluid) with annular with (channel or bore or passage)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 11:39
S228	38607	(air or fluid) with annular with (channel or bore or passage)	US-PGPUB; USPAT	OR	ON	2009/07/27 11:39
S229	63	S228 and S210	US-PGPUB; USPAT	OR	ON	2009/07/27 11:39
S230	1	"20070190195"	DERWENT	OR	ON	2009/07/27 11:47
S231	1	2007-774238.NRAN.	DERWENT	OR	ON	2009/07/27 11:47
S232	1	"5716650".pn.	DERWENT	OR	ON	2009/07/27 11:49
S233	1	"5716650".pn.	US-PGPUB; USPAT	OR	ON	2009/07/27 11:49
S234	1	"6601819".pn.	US-PGPUB; USPAT	OR	ON	2009/07/27 12:06

S235	10507	(fluid or air) same annular same (passage or channel)	JPO; DERWENT	OR	ON	2009/07/27 12:06
S236	19	S235 and (blow\$3 adj film or film adj blow\$3)	JPO; DERWENT	OR	ON	2009/07/27 12:07
S237	314	circulat\$3 with cool\$3 with (fluid or air) with die	US-PGPUB; USPAT	OR	ON	2009/07/27 12:09
S238	28	S237 and S210	US-PGPUB; USPAT	OR	ON	2009/07/27 12:09
S239	17	("2876497" "3331103" "3769379" "3920782" "3936417" "3950118" "4216253" "4359439" "4663107" "4664866").PN. OR ("4997616").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 12:12
S240	6	("3769379").URPN.	USPAT	OR	ON	2009/07/27 12:40
S241	6	("3769379").URPN.	USPAT	OR	ON	2009/07/27 13:12

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